

DX LISTENING DIGEST 0-121, October 10, 2000
edited by Glenn Hauser, wghauser@hotmail.com

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<http://www.angelfire.com/ok/worldofradio/Dxldmid.html>

ALTERNATE WOR SITE: <http://www.angelfire.com/nm/wor> was activated for several hours October 8 when the above site could not be accessed. If this happens again, try it; otherwise ignore

** ALBANIA. B-00 schedule of Radio Tirana on short waves:

ALBANIAN

00.00 - 04.30 on 6090, 7270 to NoAm
04.00 - 09.00 on 6100 to Eu (relay I-st National Channel)
08.00 - 11.00 on 7110 to Eu (relay III-rd National Channel)
09.00 - 14.00 on 9760 to Eu (relay I-st National Channel)
10.00 - 15.00 on 7150 to Eu (relay II-nd National Channel)
15.00 - 18.00 on 5985, 7270 to Eu
21.30 - 23.00 on 7295, 9575 to Eu

ENGLISH

01.30 - 01.45 on 6115, 7160 to NoAm
03.30 - 04.00 on 6115, 7160 to NoAm
17.15 - 17.30 on 7210, 9510 to Eu
22.30 - 23.00 on 7130, 9540 to Eu

GERMAN 18.30 - 19.00 on 7185, 9570 to Eu
GREEK 18.15 - 18.30 on 6100, 7260 to Eu
FRENCH 20.00 - 20.30 on 7210, 9520 to Eu
ITALIAN 17.30 - 18.00 on 6100, 7240 to Eu
SERBIAN 22.15 - 22.30 on 6135, 7110 to Eu
TURKISH 18.00 - 18.15 on 6100, 7260 to Eu

73 from (Ivo and Anguel, Observer, Bulgaria, Oct 8 via DXLD)

** AUSTRALIA. For a week now I am hearing an un-announced new frequency [9580] for R. Australia. It "crash-starts" at 0800, sometimes a few seconds late and is clearly audible here under BBC WS from Skelton beamed 230 degrees with 300 kW to Australia/Pacific long path. The BBC txer goes off at 0805 at the end of the news when R. Australia is in the clear.

I hear all listed frequencies for R. Australia at 0800; these are:-
5995 9710 12080 13605 15240 15415 17750 21725 which seems to account

for all txers at Shepparton and Brandon. So where is this coming from? It is not listed on the R. Australia website
<http://www.abc.net.au/ra>

I have spoken today with Nigel Holmes, Frequency Manager for Radio Australia who told me that this was an additional frequency from Shepparton for the period of the Olympic Games in Sydney and that October 2nd was the last day.

However, he plans to use that frequency at that time in the new schedule to be introduced end of october in lieu of 13605 which has serious interference from VOA Tinian on 13610. Having drawn his attention to the co-channel interference with the BBC WS, 9580 might not be brought up until 0805 (Morrison Hoyle, Foster, Victoria, Oct 3, DX LISTENING DIGEST)

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,-_|\ \ Morrison Hoyle - vk3bcy@qsl.net
/ Oz \ - Phone +61 (0)3 56891205
,--/ - PO Box 248, FOSTER, Vic 3960 Australia
v

However, 9580 is hardly new to RA, as it has been our best frequency in NAm for decades, perhaps not as early as 0800 recently (gh)

That BBC transmission always ends at 0805 after the news at 0800. Of course you are right but 9580 has not been brought up until much later; currently it comes on at 1100 (Hoyle, DX LISTENING DIGEST)

** AUSTRIA/UK. Merlin to broker airtime on Moosbrunn SW transmitter
Text of press release from UK transmission company Merlin
Communications on 10th October

Merlin Communications has secured an exclusivity agreement with Radio Austria International to broker transmission facilities at their Moosbrunn site. The agreement will see Merlin internationally promote the Moosbrunn site and market the facility as part of its global network, providing primary coverage of Africa, the Middle East and Eastern Europe.

The deal is the third exclusivity agreement Merlin has undertaken in the last 12 months, and aims to secure new short wave transmission customers for Moosbrunn, increasing significantly the number of hours Merlin places through the site in the near future.

Rory MacLachlan, Merlin's Commercial Director said: "Radio Austria International's Moosbrunn facility offers exciting and flexible transmission facilities, we are delighted to have Austria as part of our global alliance."

Roland Machatschke, Radio Austria International's Managing Director said:

"Merlin Communications is the world leader in short wave transmission and I am excited to be involved with such an innovative and commercially focused company. Our relationship with Merlin will bring immense benefit to Radio Austria International and compliment our current market position."

For further information about this News Release please contact Laura Jelf at:

Merlin Communications International Limited 20 Lincoln's Inn Fields London, WC2A 3ES, United Kingdom. Tel: +44 020 7969 0000 Fax: +44 020 7396 6223 Email: marketing@merlincommunications.com Website: <http://www.merlincommunications.com>

For further information about Radio Austria International please contact:

Roland Machatschke, Managing Director, ORF, Funkhaus, Argentinierstrasse 30a, A-1040 Vienna Austria. Tel: +43 1 50101 16000 Fax: +43 1 50101 16006 Email: roland.machatschke@orf.at Website: <http://roi.orf.at> Source: Merlin Communications press release, London, in English 10 Oct 00 (via BBC Monitoring via DXLD)

Unspoken in all this excitement is the sad fact that ORF itself is drastically cutting back its own usage of the SW facilities. Meanwhile, we have a reply regarding the lack of English and Spanish on the 1500-1600 RCI 17865 relay (gh)

Glenn, it was just another software bug. I suppose you are aware of the fact that the Austrian government cancelled the agreement to finance ROI. Before that our budget was cut - by almost 50%. ORF, the Austrian Broadcasting Company, promised to maintain an international service, from 2002 - but this would probably be the "home service link to Austrians abroad" and not a regular international service. Staff was reduced by 50%.

Program output will be dramatically cut - we will relay home service programmes "in between", and sell airtime via Merlin. Part of that deal was that we moved from ORF-Center to Broadcasting House. Our new studio complex cum editorial office will be tiny-tiny (something like twice the space of our previous main control room). When we switched from analogue to digital we did that step by step. The digital service (editing, production, continuity... everything) was commissioned in late spring - six weeks before we were told we had to move. This time the whole system, down to the last cable, had to be dismantled and redone from scrap.

Meanwhile we work right from our office desks ("Could you please be quiet for a moment, I'm having a phone interview") and in a single outdated mini-studio. We have to use the home-service software for continuity: it was not built for that purpose, and we suffer from all kinds of disasters: no transmission at all, wrong program, two programs at the same time ("stereo")... Our technicians are doing wonders: everything up within three months. We hope to be back on our own software in a week or two - just to re-write it in time for the winter schedule. Does this explain what happened? 73 de (Wolf Harranth, RAI, October 10, DXLD)

** BELARUS [non]. Dear DX-ers, According to Radio Racja website, their broadcast schedule appears to be as follows:

0400-0700 UTC - 612 kHz - via Radio Baltic Waves
1800-2000 UTC - 6165 kHz
0400-0600 UTC - 6035 kHz
1400-2200 UTC - 105,5 MHz FM (in the city of Białystok, Eastern Poland) [symbol between the A and the Y would be a crossed L -gh]

On my website <http://www.rybus.net> YOU CAN FIND REAL AUDIO FILE WITH RADIO RACJA ID recorded from the internet.

The internet address of Radio Racja is: <http://www.racja.pl/>
Under the address below you can get the information (in Belarusian) on audio on the web with Radio Racja broadcasts:
<http://www.racja.pl/efir/efir.htm>

Please note however, that for the time being there is only MP3 audio on demand available (real audio is planned for the future), and there is no real time streaming. No broadcast from the current day is available - only broadcasts from the day before and from the day before yesterday. To hear the audio you have to paste into your MP3 player (e.g. Winamp) the following two parts of the address: the unchanged one and the other part depending on the day and month of the specific broadcast you want to listen to:

- 1) First part of the address: <http://www.racja.pl/efir/>
- 2) Below you can find the example of the second part of the address: efir0710.mp3
(the above is appropriate when you want to listen to the broadcast from October 7, and so on).

Important: to listen to the second hour of Radio Racja broadcast you have to add "2" before the period mark, at the end of the numbers indicating the month, e.g.: efir07102.mp3

Good luck, (Krzysztof Rybus, Poland, Oct 8, hard-core-dx via DXLD)

** COSTA RICA. RFPI 6969 has been missing UT Oct 8, 9 and 10. Wonder what the problem is? (gh)

Glenn, Rotten luck. Burnt transmission line. We have the parts to fix it and James hopes to be back on the air in no less than two to three days. Meanwhile, our old standby, 15050 back to 24 hours. Great to hear the RTTY is gone! (-joe bernard, RFPI, Oct 10, DX LISTENING DIGEST)

** CROATIA. Wolfgang mentioned in BC-DX the frequency registrations for Deanovec, while it seems to reflect the actual transmitter operation that HRT gives on its website. Hans Weber reported a couple of years ago the shortwave equipment at Deanovec as two 10 kW transmitters and a single 100 kW unit, while the antenna capacity is limited to two vertical monopoles and a rhombic; the RHO and one of the VM's can handle 100 kW, the other VM 10 kW only. In addition they have still the tiny 2 kW transmitter they used to start the shortwave operations; in previous seasons they used this rig to experiment with 13 metres transmissions. I guess the 100 kW unit is operational on 9830, as this is the strongest signal. [rather than several 100 kW] (Kai Ludwig, Germany, Oct 7, DX LISTENING DIGEST)

** GREECE [non]. VOG's weekly English-announced music hour, ``It's All Greek to Me'', was back when checked Sunday Oct 8 at 1845 with the usual announcer in English via Delano 17705. The other one, mostly talk, ``Hellenes Around the World,'` was reconfirmed Saturday Oct 7 in the 1600 hour via Delano 15455. I expect there will be further disruptions in scheduling from Oct 29 with the end of DST — not necessarily simply shifting one UT hour later (Glenn Hauser, OK, DX LISTENING DIGEST)

** ISRAÄL. DX Information from the British DX Club (BDXC-UK). Since I reported Galei Zahal on unusual 2442.2 kHz back on 16th September I have been hearing it regularly here in Caversham UT evenings on this frequency. I originally thought it may have been a transmitter spur, but now believe it's a genuine transmission on this frequency as in my 1974 edition of WRTB, 2442 kHz is listed under Galei Zahal as Tel Aviv with 1 kilowatt. So this may be an old transmitter reactivated. 73 (Alan Pennington - AOR 7030+/longwire, Caversham, England, Oct 10, BDXC-UK via DXLD)

** KOREA SOUTH. RKI presents the Third World Cyber-Stamp Exhibition, Oct 23 to Nov 22, much wider variety of stamps than last year, 2200 from over 100 countries. Hidden RKI logo on ten of the sites, 10 winners a day, 330 total over the month get nice gifts from RKI. Every day image files making a Puzzle Event too. Exact URL not given, but via <http://rki.kbs.co.kr> (Esther Lee and Han Hee Joo, RKI Multiwave Feedback Oct 8 via gh, DX LISTENING DIGEST)

** MOUNT ATHOS. "The DX News Letter" reports that Monk Apollo hits the airwaves with the special callsign SY2A now through the end of the year. QSL via the CBA of SV2ASP. OPDX spotted Monk Apollo on RTTY this past week on 14086 kHz around 2045z (KB8NW/OPDX October 9/BARF-80 via John Norfolk, OKCOK, DX LISTENING DIGEST)

** PALMYRA & KINGMAN REEF. By the time you read this, the KRPDXG team should be on their way to Palmyra. The Hawaii operators KH7U, NH6UY, WB4JTT and KH6ND, along with Captain Bill Austin and his crew on the motor schooner Machias, should have departed from Christmas Island this past weekend to pick up Mike, KH6ND, from Palmyra to head to Kingman Reef. Activity is to begin on October 18th. Suggested frequencies are:

CW - 1826.5, 3503, 7003, 10103, 14023, 18073, 21023, 24893, 28023, 50105
SSB - 1826.5, 3795, 7065, 14195, 18145, 21295, 24945, 28465, 50105
RTTY - 7043, 14083, 28083 kHz

Other suggested frequencies: U.S. General operators are to look on 20 meters SSB on 14245 kHz and on 40 meters CW on 7023 kHz. JA stations are to look for them on an alternate 160 meters frequency on 1824 kHz. Look on 6 meters for a breakable beacon (TX 50105/RX 50115) and also listen to 28885 kHz (KB8NW/OPDX October 9/BARF-80 via John Norfolk, OKCOK, DX LISTENING DIGEST)

** PER/. When interesting LA stations are reported on the Nordicdx web site, there are usually pointers, or references, to the original report.

But when Mark Mohrmann recently attributed an ID to me and referred the users of his web page at <http://homepages.together.net/~hackmohr/> to the "Dateline Bogot." web site for further info and for the historical background, the Nordicdx web editor reedited the story, deleting the pointer to Mark's home page, including instead a report, which is in contradiction to Mark's and my own findings.

More details about Radiodifusora Comercial La Voz de Naranjos and the inconsistencies of the report highlighted by the Nordicdx web editor can be found at <http://www.algonet.se/~ahk/Dline95.htm> Please look for 4300 in the frequency listing. In the 1996 log, there is a short entry for this station, on 4300.1 (Henrik Klemetz, Sweden, DX LISTENING DIGEST)

The Peruvian station on 4300 featured on various RealAudio clips on Mark Mohrmann's web site was identifying itself as Radiodifusora Comercial Naranjos, and the address was given as Avenida Cajamarca

464, Distrito Pardo Naranjos, Provincia de Rioja, RegiÛn de San MartÌn, Per'.

When active, until the police raided the station in late 1995, the station also used to identify itself as "La Voz de Naranjos". Contrary to what has been posted on Mark's web and on the Nordicdx/HCDX web site the station was not identifying itself as "RadiodifusiÛn Comercial Naranjos" (nor "La Voz de los Naranjos") and the QTH is not "Narnajos" which is a typo, but rather Naranjos, which is a shortening of the town's full name (Henrik Klemetz, Sweden, DX LISTENING DIGEST)

** RWANDA/NAMIBIA/ANGOLA. Hi Glenn! Here are some tips for European DXers interested in African Radio: I have heard Radio Rwanda on 6055 at 2000-2100 as Radio Slovakia is off at 2000 (that will presumably be until the end of October, when time is shifted). French Programming of mainly music, ID a few minutes after 2000, sign-off with frequency announcements (FM freqs) in several languages plus national anthem at 2100. I believe this one hasn't been heard very often in Europe in the past years. Signal is fair.

Namibia?: I believe it was NBC I heard several times recently at 0500-... on 7215, as there is a gray line at the beginning of autumn and the beginning of spring. Heavy QRM by Eastern European station. English language px with African music. Signal was relatively strong.

Angola: RN Angola is on 7245 all evening. I caught it at around 2000, but at 2030 QRM is getting too strong.
All heard with a 1955 Blaupunkt Virginia receiver :-).
(Thorsten Hallmann, Münster, Germany, Oct 9, DX LISTENING DIGEST)

** SERBIA. Hi, the main Yugoslav domestic radio program is now called "Novi Radio Beograd" - New Radio Belgrade. (Incorrect is "Novo Radio Beograd", mentioned elsewhere). On the air is more than one program - they call the program on 684 kHz "the First program". According to my monitoring of Yugoslavia in the MW band these days the situation is very quiet; on most of the frequencies that I can hear are local programs (666, 711, 1026, 1296, 1566 kHz) with relays of main newscasts from Belgrade // to 684 kHz. Now, with a new president, a new government and parliament, let us hope that also a new transmitter is going to appear on 684 kHz. The former high power transmitter has been damaged or smashed during NATO bomb attacks. Later a provisional low power transmitter has been put on the air. Also a studio-transmitter site link is provisional, that is the reason for a telephone-like sound. GOOD DX, (Karel Honzik, the Czech Republic, hard-core-dx Oct 7 via DXLD)

** SERBIA [and non]. Deutsche Welle has expanded its Serbian

broadcasts by 30 minutes per day, a staff member announced today during a interview on the media magazine of DLF Cologne. During this talk also RTS was discussed; the DW staff member stated that it was the old heads (not the whole staff) who were forced to leave the building. I already tried to express my assumption that the RTS programming is still produced by the "old" broadcasters, as it sounded like professional programming that was broadcast late at night on Oct 5. I assume this also applies to Radio Yugoslavia.

"B2-92" is now again just B92 and could return on its FM frequency, which was until now occupied by a false, regime-run "B92". This from J^ürg Wagner; his German-language interview with a B92 staff member should be meanwhile available at
<http://www.radioeins.de/sendungen/apparat/aufnahme/>
(Kai Ludwig, Germany, Oct 7, DX LISTENING DIGEST)

** SERBIA. I have been checking around, hoping to hear Radio Yugoslavia return to SW, but nothing so far. 73, (Ivan Grishin, Ont., Oct. 10, DX LISTENING DIGEST)

** SWAZILAND. Swaziland Field Day. The Radio Society of Swaziland in Southern Africa is organising a Field Day over the weekend of the 13th to 15th of October. Two HF stations and one on VHF will be operating from solar power, with generator back-up, from a remote and electrically-quiet area which can only be reached by four-wheel drive vehicles. Look out for the club call 3DA0RS ['three delta alpha zero romeo sierra'] around 28755, 21255 and 14255 kHz on the HF bands. Several Class B licence holders will be gaining HF operating experience before upgrading their licences. Thanks to Johnny Clinch, G3MJK, for this news story (Radio Society of Great Britain GB2RS News October 8, posted October 6, via John Norfolk, OKCOK, DX LISTENING DIGEST)

** SWEDEN. 9495, 0329-0357 Radio Sweden test: SINPO 45433; parallel 15245 SINPO 34334. Both fluttery. "60 Degrees North" review of the week (Bill Flynn, OR, Oct 7, DXLD) Both were about the same here one night when I checked (gh, OK)

** SWEDEN. Here is the B 00 [English] sked of R Sweden.

Europe/Af/ME		deg
1430-1500	17505	70
1830-1900	6065	140-240 +MW1179
1830-1900	9765	220
2030-2100	6065	140-240 +MW 1179
2230-2300	6065	140-240
	7235	220 +MW 1179

N America

0230-0300	9495 or 7155	290
0330-0400	9495	320
1230-1300	18960	280
1330-1400	18960	305
1430-1500	18960	320

Asia/Aus/N Zealand

0130-0200	9495	100
1330-1400	17870	85
1330-1400	9425 or 17505	45
1430-1500	17505	70
2030-2100	9445	70 Kind regards

(Swapan Chakroborty, Calcutta, India, Oct 9, DX LISTENING DIGEST)

** TURKEY. There have been strange occurrences on the Voice of Turkey recently. On October 6 the English programme via the internet (<http://www.trt.net.tr>), scheduled to run from 2030 to 2120, was replaced for the first 30 minutes by a programme in what I presume to have been Serbian. After two minutes' silence at 2100, the English service took over in the middle of a feature programme (I was unable to check whether English was on scheduled 9525 kHz as it was inaudible). At 2200 English was missing from both the internet and shortwave frequencies (13640 and 7190), replaced by one hour of Greek. On the following two days English was heard as normal. However, on October 9 at 2200, 13640 carried a Turkish programme in parallel with 9445 and 9460 while 7190 and the internet carried English. VOT has been having problems with its computer recently, and this may be the reason for these glitches (Roger Tidy, UK, Oct 9, DX LISTENING DIGEST)

** U K. [pirate] Laser Hot Hits, 6218.8 kHz, Oct 9, 0501-0546 GMT, SINPO: 3,3,3,3,3. (Mickey Delmage, Don Moman, Nigel Pimblett and Joe Talbot, at Lamont, Alberta, Canada, DX-pedition, 3-30 MHz Rotatable Log Periodic Antenna At 90', DXLD)

** U S A. I heard this lecture previously on another station. It's terrific, and he is so certain about what is coming in the next dekadecade! On WQLN, Erie PA, <http://www.wqln.org> Sunday, October 15: 4 p.m. EDT: CHAUTAUQUA LECTURES Gentry Lee: "The History of the 21st Century". Or catch him elsewhere on the talkshow circuit, or look for the book (Glenn Hauser, DX LISTENING DIGEST)

** U S A. The Scream of the Butterfly: We are pleased to announce The Scream of the Butterfly will be joining the regular program lineup at WBCQ, "The Planet", in November. Our first broadcast is Friday, November 3 at 7 pm Eastern Standard Time (Saturday, 0000 UTC) on 7415 kHz, and every week at that time thereafter. Our weekly broadcasts on

WRMI, 7385 kHz, will continue. (Sundays, 12 Midnight, Eastern Time, 0400 UTC, 0500 after the return to Standard Time). The WRMI broadcasts have been sponsored by Universal Radio for more than one year.

We believe this additional broadcast will give our listeners throughout North America the opportunity to hear The Scream with a good signal at the most convenient time, regardless of their location. WBCQ's signal will also give European DXers a chance to receive The Scream at a reasonable hour when conditions permit.

Our policy of occasional European relays via Radio 510/IRRS in Milan, Italy will also continue. We QSL 100 percent of the postal reception reports we receive. Our mailing address is: The Scream of the Butterfly, Post Office Box 1994, Rancho Cordova, California 95741-1994 U.S.A. Please enclose \$1 U.S. or 2 IRC's for postage and printing. Our email address is: johnnyrockin@hotmail.com web page: <http://www.geocities.com/SunsetStrip/Garage/9861/> We are very excited about our prospects for this winter season, and hope our listeners will continue to enjoy our program (Johnny Rockini The Scream of the Butterfly, Oct 8, DX LISTENING DIGEST)

** U S A. WRMI, new 15725 first heard at 1735 Oct 10, with some preacher, no comparison to pounding WWCR on 15685, even tho WWCR is more likely to skip over, and not beamed this way. Ditto weaker than other US stations on 15745, 15665, 15590. Still, 15725 clear of any interference and it beats 9955 which has nothing but Cuban commie jamming. Announcer at 1752 was not aware he was on the air, claiming 15725 was delayed by floods but would start sometime this week, at 9 am to 2 pm Pacific time [1600-2100 UT]. Believe he also said WBCQ2 would move from 9330 to 9335? After 1900 WRMI 15725 strength even compared unfavorably to nearby WYFR on 15715, which is beamed NE to Europe. 15725 off abruptly at 2028* Heavier modulation than some of the others, but telco-quality audio (Glenn Hauser, OK, DX LISTENING DIGEST)

WRMI test transmissions from October 9 (not from October 2): 1200-2200 on NF 15725, 50 kW / 317 degrees to zones 2, 3 (Observer, Bulgaria via DXLD)

I have always been a bit puzzled over the use of jammers. I fully understand the purpose of their use. However, 9955 for example, I live near Philly, PA and am on the back side of the xtmr in Miami and very rarely can ever pull anything from the freq short of the jammer. This a.m. a couple of times I had thought I hrld some classical mx but could have been mistaken. I have often wondered what the point of all this is if R. Miami broadcasts programming and no one can hear it. Yea, I know, that's the idea. Seems the only folks making out in the

deal are the oil companies who supply the energy to run the xmtrs. This has been going on for years now. R. Miami never changes freq and day after day the same thing. What a horrific waste of energy supplies and money on both parts. I sometimes think this is a battle to see who has enough money to continue this nonsense. First one out of oil loses (Bob Montgomery, PA, Oct 7, hard-core-dx via DXLD)

I think this is a sensitive point to Jeff White at RMI. I posted a couple of years back that, during a cruise which circumnavigated Cuba, reception of RMI was dreadful, and in my opinion totally unusable. Jeff W. shot back with claims of many listeners on the island who have contacted the station claiming excellent reception. To put it mildly, I was sceptical (Walt Salmaniaw, hard-core-dx via DXLD)

+++++HUNTING HARMONICS+++++

Padula's remark about harmonics being produced in the ionosphere is total nonsense, contrary to the laws of physics. There would have to be a device up there to produce the mixing (gist of response by George McClintock, TN, Oct 9, DXLD)

A related subject is the Luxembourg effect, audio mixing in the ionosphere. Here's something about it I found in a quick search:

There is a very interesting ionospheric phenomena [sic], the Luxembourg Effect, that was exploited in the early days of the laboratory and was a precursor of many perturbation techniques now used in many fields. Telegren was the person who discovered the effect, namely that Radio Luxembourg would heat the electrons in the ionosphere and thus transfer the audio envelope on its signal to any wave traversing that portion of the ionosphere by modulating the absorption. Prof. Goldstein exploited and expanded this phenomena in the laboratory to identify and quantify many electron temperature dependent processes such as e-i recombination, electron-ion collision frequency, and any other electron collision process. He used two microwave signals, the "heating" wave and the "sensing" wave to examine these processes in the decaying portion or "afterglow" of a pulsed discharge. One of the unique modifications was to subject the plasma to a static magnetic field so that the electrons were in cyclotron resonance with either wave. All sorts of nonlinear phenomena from harmonic generation to modification of rate processes could be observed with relatively small microwave power (\approx 200 mW or less). (http://radon.ece.uiuc.edu/gel_history.html via gh)

That's total nonsense too; as is the crossed field MW transmitting antenna (McClintock)

A new electronic group has been set up for those listeners especially interested in receiving harmonics of normal transmissions. Go to the eGroups site at <http://www.egroups.com/invite/harmonics> and click the "JOIN" button. Info from Tim Bucknall (via Steve Whitt, mwc, via Mike Barracough, DXLD)

CondX are definitely on the mend today Oct 6; MUF = 34.45 MHz.
14220 R Ethiopia (very tentative) (2 x 7110) monitored from 0929 utc,
yl dj in unfamiliar lang wailing mx/pops, unfamiliar national anthem
at 0955 and sign off at 1000.

19240 R Ukraine Int, Kharkov (2 x 9620) 1007
23960 Egyptian R, Abu Zabaal (2 x 11980) 0845
28860 R Ukraine Int (3 x 9620) 0914
19630 RDP (2 x 9815) S9!! 0922
19440 R Rossii (2 x 9720) 0925
21630 Belarus R (3 x 7210) 0930
29565 CRI (tent) CC YL (3 x 9855) 1036, Fade out at 1043

19280 R Ukraine Int (2 x 9640) 1053
19760 R Prague (2 x 9880) Sign off at 1056
19170 R Tirana (2 x 9585) 1103
19080 R Polonia (2 x 9540) yl in rr 1110

14320 RFI, Unid tx (2 x 7160) 1905
14420 R Tirana (2 x 7210) FF NX abt Yugo Crisis 1912 utc

Nothing too exiting today Oct 8:
28860 UKR (3 x 9620) 1046
19440 RUS (2 x 9720) 1100
19280 UKR (2 x 9640) 1101
19240 UKR (2 x 9620) 1101
21630 BLR (3 x 7210) 1102

14710 R Rossii Samara (2 x 7355) 1845
14760 V of Russia Yekaterinburg (2 x 7380) 1848
14940 V of Russia/ Rlg px, St Petersburg (10 x 1494) 1851
7950 R Budapest (2 x 3975) 1855
7910 R Taipei Int via Skelton, G (2 x 3955) 1856

Logs Oct 9: MUF: 36 MHz
19430 R Tashkent, UZB (2 x 9715) 1226
19440 R Rossii (2 x 9720) 1228
19240 UKR (2 x 9620) 1230
19280 UKR (2 x 9640) 1230
18980 TWR, Monaco (2 x 9490) 1229
30210 R Romania Actualitatsi (2 x 15105) V.Poor 1235

IMPROVING CONDX! about time too! Oct 9:

23750 R Cairo	(2 x 11875)	1613
29721 ERT	(4 x 7430)	1606
30450 VOA, Ascension	(2 x 15225)	1609
35350 V of Russia	(2 x 17675)	1310
35625 R Cairo	(3 x 11875)	1613

Logs Oct 10: quite a few unIDs; any help very much appreciated.

14470 unid 1715 utc

14550 unid 1716

14570 unid 1716

14640 unid 1716

14760 V of Russia, Yekaterinburg (2 x 7380) 1727

19550 V of Russia, St Petersburg (2 x 9775) 1733

19620 V of Russia, 2 poss tx's (2 x 9810) 1735

19700 R Cairo, (2 x 9850) 1737

19870 RS Makedonias, (2 x 9935) 1739

19920 Unid, R Tirana? (V.Tent) (2 x 9960) 1740 Carrier off, then on again then off again; the technical difficulties would certainly suggest Tirana. HI!!

Yes, I Founded this list, I Am Based in Congleton, Cheshire, England
(Tim Bucknall, UK, harmonics list via DXLD)

UNIDENTIFIED. Hi Glenn: Over the past sesquimonth or so, I have noted an intermittent transmission on 4410.2 kHz. It consists of Christian music with Spanish lyrics. There is no announcement of any kind, just song after song, with about 5 seconds of dead air between. The signal strength is usually high. I believe this may be a test transmission. Last heard, Oct. 6 at 1010, with a good copy (David Hodgson, TN, Oct 10, DX LISTENING DIGEST) Possibly 3 x 1470 (gh) ####